

KAVIN

Coimbatore, Tamil Nadu, India

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Career Objective

Full Stack Developer with hands-on experience building web applications, AI-powered solutions, and self-hosted services using Node.js, Express.js, React, Docker, Linux, and PostgreSQL. Strong foundation in databases, and software engineering principles. Experienced in developing scalable backend services, integrating APIs, and deploying applications in Linux environments. Passionate about cloud technologies, modern development workflows, and building reliable products that deliver meaningful user experiences.

Education

Dr. N.G.P. Arts and Science College, Coimbatore

Completed 2026

Bachelor of Science in Computer Science

Swami Vivekananda Matriculation Hr. Sec. School, Annur

Completed 2023

Higher Secondary Education

Technical Skills

Programming & Scripting: JavaScript, Python, Bash/Shell, C (Basics)

Backend Technologies: Node.js, Express.js, FastAPI

Frontend: React.js, HTML5, CSS3

Databases: PostgreSQL, MongoDB

DevOps & Tools: Docker, Git, GitHub

Platforms: Linux (Ubuntu, Fedora), Windows

Networking: Computer Networking Fundamentals, Hardware (Basics)

Projects

AI ChatBot | *Django, Ollama, LLM Integration*

– Developed a Django-based AI chatbot integrating with Ollama (LLM), focusing on **service availability** and response time monitoring.

Self-Hosted Media Server (Immich) | *Docker, Linux, Self-Hosting*

– Deployed and managed **Immich**, a self-hosted photo/video management solution, using **Docker** on a dedicated Linux machine; responsible for setup, maintenance, and **service reliability**.

AI Surveillance System | *Python, Computer Vision, Alerting*

– Developed a real-time AI surveillance system using Python; designed an **alerting mechanism** to proactively notify users of wildlife activity, simulating an **incident response** workflow.

ESP32 WiFi Web Server | *HTML, CSS, ESP32, Networking*

– Configured an ESP32 as a web server, managing constrained device resources and troubleshooting **Wi-Fi network connectivity** to ensure **reliable access** to the web interface.

Django Blog Web App | *HTML, CSS, Django, Deployment*

– Created a responsive blog platform; managed deployment, configured **logging**, and monitored application **performance** and stability.

Hackathons & Achievements

Awarded **1st Prize** in Product Development at Dr. N.G.P. Arts and Science College.

Smart India Hackathon 2024 — Participated as a team member, focusing on **front-end UI development** for the team's web application.

HAC-Kathon'25 — Participated in an AI innovation-based hackathon focused on Human-Animal Conflict challenges.

Certifications & Professional Development

Responsive Web Design — FreeCodeCamp (View)

Full Stack Development (Python Django) — FreeCodeCamp (View)

HAC-Kathon'25 — Human-Animal Conflict Challenges (View)

Participated in **Women Techmakers Coimbatore 2025**